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**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

MH/T 6013-2018

**Apron lifting high pole light
(English Translation)**

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces MH/T 6013-1999 "Airport Lifting High Mast Lights". Compared with MH/T 6013-1999, the main technical changes are as follows.

- The name of the standard was revised, and the original standard name "Airport Lifting High Mast Light" was changed to "Apron Lifting High Mast Light";
- Modified the scope of application of standard high pole lights (see Chapter 1, Chapter 1 of the 1999 edition);
- Modified the classification and model of high pole lights (see Chapter 3, Chapter 3 of the 1999 edition);
- Modified the environmental requirements for high pole lights (see 4.1, 1999 version 4.1);
- Modified the design requirements of light poles and light panels (see 4.6.1.1, 1999 edition 4.6.1.1);
- Deleted the requirements for welding rods that should not be used (see 4.6.3.1.2 of the 1999 edition);
- Modified the technical requirements for welding quality (see 4.6.3.2, 1999 edition 4.6.3.2);
- Modified the technical requirements for weld flaw detection (see 4.6.3.4, 1999 edition 4.6.3.4);
- Modified the technical requirements for lamp panel settings (see 4.6.5.3, 1999 edition 4.6.5.3);
- Added the technical requirements for the lifting system of high pole lights (see 4.6.7.1, 4.6.7.4);
- Deleted the technical content of the tiltable high pole lamp (see 1999 edition 4.6.7.2);
- Modified the technical requirements of the unloading device (see 4.6.7.9, 1999 version 4.6.7.1.7);
- Modified the technical requirements of hot-dip galvanizing anticorrosion treatment (see 4.6.8.2, 1999 edition 4.6.8.1);
- Deleted the technical requirements for hot aluminum spraying anti-corrosion (see 1999 edition 4.6.8.2);
- Modified the technical requirements of the distribution box (see 4.6.9.1, 1999 edition

4.6.9.1);

- Modified grounding technical requirements (see 4.6.9.2, 1999 edition 4.6.9.2);
- Increase the technical requirements of light pole lightning rods (see 4.6.9.3.2 ~ 4.6.9.3.5);
- Increase the performance requirements of the cable (see 4.6.9.4.1);
- Modified the technical requirements for lamps (see 4.6.9.5, 1999 edition 4.6.9.5);
- Modified the test and inspection method (see Chapter 5, Chapter 5 of the 1999 edition);
- Modified inspection rules (see Chapter 6, Chapter 6 of the 1999 edition);

This standard was proposed and interpreted by the Airport Department of the Civil Aviation Administration of China.

This standard was approved by the Aircraft Airworthiness Certification Department of the Civil Aviation Administration of China.

This standard is under the jurisdiction of the China Academy of Civil Aviation Science and Technology.

Drafting organizations of this standard. China Civil Aviation Science and Technology Research Institute, Beijing Xiyu Lighting Equipment Co., Ltd.

1 Scope

This standard specifies the classification, technical requirements, test methods, inspection rules, markings, packaging, transportation and storage Keep waiting.

This standard is applicable to lift-type high-pole lights (hereinafter referred to as high-pole lights) for floodlighting of civil airport aprons.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this article Pieces. For undated references, the latest version (including all amendments) applies to this document.

GB/T 191 Packaging, Storage and Transportation Graphic Mark GB/T 700 carbon structural steel GB/T 983 stainless steel electrode GB/T 1591 Low-alloy high-strength structural steel GB/T 3280 Cold rolled stainless steel plate and strip GB/T 3323 Radiography of metal fusion welding welded joints GB/T 3797 electrical control equipment GB/T 4208 Shell protection grade (IP code) GB/T 4237 stainless steel hot-rolled steel plate and strip GB/T 4842 Argon GB/T 5117 Non-alloy steel and fine grain steel electrode GB/T 5118 hot-strength steel electrode GB/T 5293 Non-alloy steel and fine-grain steel solid wire,

flux-cored wire and welding wire-flux combination classification requirements for submerged arc welding GB/T 6052 Industrial liquid carbon dioxide GB 7000.1 Lamps Part 1: General requirements and tests GB 7000.7 Safety requirements for floodlight lamps GB/T 7256 General requirements for civil airport lamps GB/T 8110 Carbon steel and low alloy steel welding wire for gas shielded arc welding GB 8918 Wire Rope for Important Use GB/T 9286 Cross-cut test of paint and varnish film GB/T 9944 stainless steel wire rope GB/T 10085 Cylindrical worm drive basic parameters GB/T 10086 Cylindrical worm and worm gear terms and codes GB/T 10087 Basic tooth profile of cylindrical worm GB/T 10088 Cylindrical worm module and diameter GB/T 10089 Accuracy of cylindrical worm and worm gear GB/T 11345 Ultrasonic testing technology, testing level and assessment for non-destructive testing of welds GB/T 12467.1 Quality requirements for fusion welding of metallic materials Part 1: Selection criteria for corresponding grades of quality requirements GB/T 12467.2 Quality requirements for fusion welding of metallic materials Part 2: Complete quality requirements GB/T 12467.3 Quality requirements for fusion welding of metallic materials Part 3: General quality requirements GB/T 12467.4 Quality requirements for fusion welding of metallic materials Part 4: Basic quality requirements GB/T 12467.5 Quality requirements for fusion welding of metallic materials-Part 5: Standard documents that should be based on meeting quality requirements GB/T 12470 Low alloy steel wire and flux for submerged arc welding GB/T 13912 Technical requirements and test methods for hot-dip galvanizing of steel parts with metal covering GB/T 14846 Aluminum and aluminum alloy extruded profile size deviation GB 50009 Building structure load code GB 50011 Code for seismic design of buildings GB 50017 Steel Structure Design Code GB 50135 Code for design of high-rise structures GB 50168 Code for Construction and Acceptance of Cable Lines of Electrical Installation Engineering GB 50205 Code for acceptance of construction quality of steel structure engineering GB 50661 Specification for Welding of Steel Structures MH 5001 Civil Airport Flight Area Technical Standard MH/T 6108 Technical requirements for floodlighting of civil airport apron

3.1 Product Classification

According to the number of reels of the hoisting mechanism, the high pole lights can be divided into single reel type, double reel type and three reel type.

3.2 Product model

The product models of high pole lights are named according to the following regulations

4.1 Environmental requirements

4.1.1

High pole lights should be able to operate for a long time in the following environments.

- a) The ambient temperature is -40 °C~55 °C;